

Amendments to the Specification

Please replace specification paragraph [0007] with the following amended paragraph:

[0007] However, it is well-known that the GSM utilizes a ~~prior-art~~ communication scheme, such as a time division multiple access (TDMA) scheme, a wideband code division multiple access (WCDMA) scheme, or a code division multiple access (CDMA) scheme, to perform signal transmission. Timing of the mobile unit needs to be synchronized with frame timing of a corresponding base station so that the mobile unit is capable of receiving signals and transmitting signals. The prior art wireless communication system transmits a paging signal to the mobile unit to inform the mobile unit of an incoming call. Therefore, the timing of the mobile unit has to be synchronized with the timing of the base station to correctly receive the paging signal. Even though the mobile unit has entered the sleep mode for saving power, the mobile unit should periodically recover from the sleep mode to detect if the wireless communication system is transmitting the paging signal. In other words, when the mobile unit escapes from the sleep mode, the mobile unit needs to recover its timing to be synchronized with timing of the prior art wireless communication system.

Please replace specification paragraph [0026] with the following amended paragraph:

[0026] Briefly summarized, the claimed invention discloses a method for controlling the timing of a mobile unit. The mobile unit is connected to a base station via radio communication. The base station transmits wireless signals to the mobile unit according to a plurality of frames within a communication system, such as a time division multiple access (TDMA) system, a wideband code division multiple access (WCDMA) system, or a code division multiple access (CDMA) system. The mobile unit includes a micro-controller unit for running a real-time operating system to load a plurality of control procedures used to control operation of the mobile unit, the control procedures include a synchronous task, a timing generator electrically connected to the micro-controller unit for controlling the timing of the mobile unit corresponding to

the frames, and a clock generator electrically connected to the micro-controller unit for generating a first clock signal to drive the micro-controller unit.

Please replace the original abstract by the following amended abstract:

Method for recovering frame timing of a mobile communication device performing a sleep mode. The mobile communication device communicates with a base station
5 through a ~~time division multiple access (TDMA)~~ communication system so that wireless signals are transmitted via frames. The method includes executing a synchronous task for interrupting currently loaded control processes in a real-time operating system and for calculating a predetermined sleep period for the sleep mode, executing the synchronous task for driving the mobile communication device to enter
10 the sleep mode during an actual sleep period, and executing the synchronous task for synchronizing frame timing of the mobile communication with frame timing of the base station according to the actual sleep period.